AGILE FOCUS
agilefocusdesigns.com
sales@agilefocusdesigns.com

High Voltage Supply

A COMPACT HIGH-VOLTAGE AMPLIFIER WITH WIDE BANDWIDTH AND AN EASY-TO-USE DIGITAL INTERFACE

Features:

- Two or four outputs
- Large voltage range and excellent stability
- Fast response with wide bandwidth
- Digital interface for easy signal generation
- BNC inputs to drive outputs with external function generator
- A compact form factor
- Minimized on-off voltage transient for MEMS & piezo applications

Custom Options:

- Output connectors and cables
- External color
- Customization of the user interface
- Application programming interface for customer development

Warning

The driver, connecting wires, and device enclosure operate at a hazardous voltage. Opening the packaging negates any warranty or service.

This high-voltage amplifier delivers both speed and a large voltage range in a compact form factor. The amplifier is combination function generator capable of outputting its own arbitrary waveforms or static voltages. The amplifier is capable of driving capacitive or low-current loads in a number of applications including piezo-actuators and micro-electro-mechanical systems (MEMS). User-friendly software controls the amplifier over USB thereby reducing start-up time and simplifying user applications.

Bandwitdth	2.9 kHz @ 10 pF
Interface	USB or BNC
Outputs	2 or 4
Voltage Range	0 - 600 V

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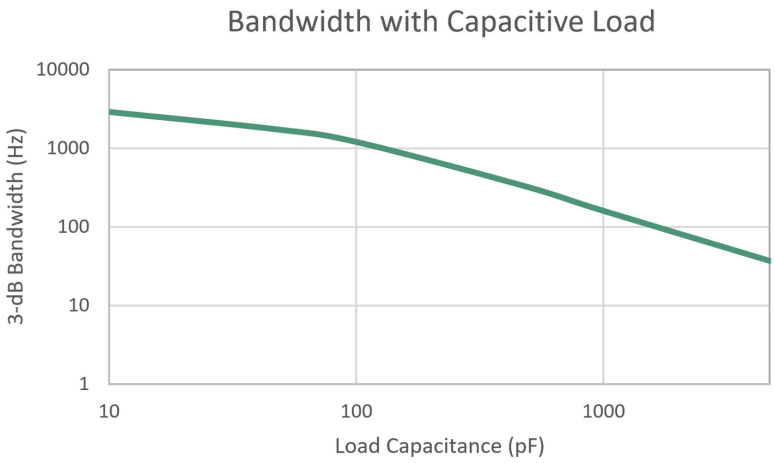
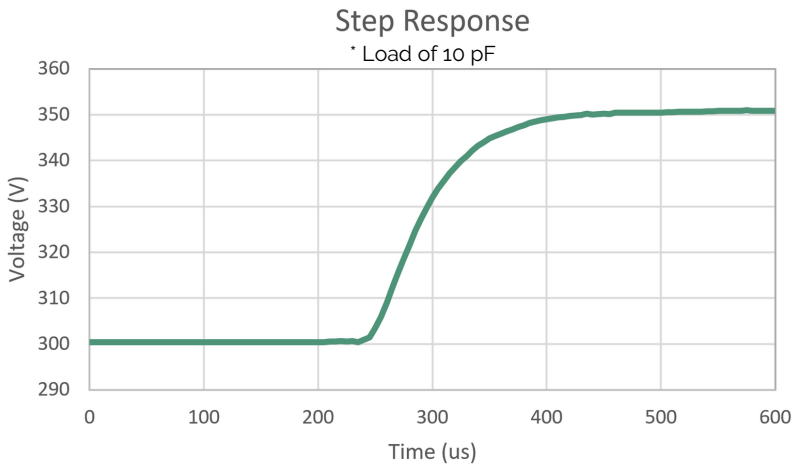
*note that design is subject to change

Specifications

Output Resistance	1 MΩ
Maximum Current	~600 µA
Slew Rate	530 V/ms
Noise	40 mV RMS
Gain	301
Bandwidth	2.9 kHz @ 10 pF 1.2 kHz @ 100 pF 160 Hz @ 1000 pF
Dimensions	1.5H x 2.5W x 7L in.





Disclaimer: Agile Focus Designs does not guarantee the accuracy or completeness of this document and reserves the right to make changes to these specifications at any time without notice. Using wires and connectors that are not rated for 600 V or greater is not recommended and is at the risk of the user. Tampering with or disassembling the HV unit, cables or connectors voids any warranty or service by Agile.

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